



LABORATORY TRAINING

Introduction to Method Validation

2 day course

Classroom, online or in-house

Course overview

Validation demonstrates that a method does what the laboratory says it does, for the samples it will actually see. This course covers the practice. Delegates work through the validation parameters and what each one answers, including selectivity, linearity and range, accuracy and trueness, precision under repeatability and intermediate conditions, limits of detection and quantitation, and robustness. The distinction between validation and verification of a standard method is made clear, since laboratories routinely do more work than needed for the latter and less than needed for the former. The course closes on the validation plan and report, and on the decision of when a change to a method requires revalidation.

What you will learn

- Distinguish validation from verification of a standard method
- Select the validation parameters relevant to a given method
- Assess selectivity, linearity and working range
- Determine accuracy, trueness and precision
- Establish limits of detection and quantitation defensibly
- Test robustness against realistic variation
- Write a validation plan and report, and decide when to revalidate

Who should attend

- Analysts and method development staff
- Laboratory quality and technical managers
- Technical signatories
- Internal auditors of laboratories
- Graduate scientists entering laboratory roles

Course outline

- 01 What validation demonstrates, and to whom
- 02 Validation against verification of a standard method
- 03 Selectivity, linearity and working range
- 04 Accuracy, trueness and bias
- 05 Precision: repeatability and intermediate conditions
- 06 Limits of detection and quantitation
- 07 Robustness testing
- 08 The validation plan, the report, and when to revalidate

Upcoming dates

Dates	Venue	Format	Fee per delegate
11 to 12 September 2026	Johannesburg, South Africa	Classroom	R11,995
14 to 15 October 2026	Gaborone, Botswana	Classroom	R11,995
31 October to 1 November 2026	Lagos, Nigeria	Classroom	R11,995

Fees and how to register

Online **from R6,500** per delegate, classroom **from R11,995** per delegate, in-house training is quotation on request.



Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afriScience.co.za, or WhatsApp us on **+27 63 479 1136**.

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